Compilation of Space

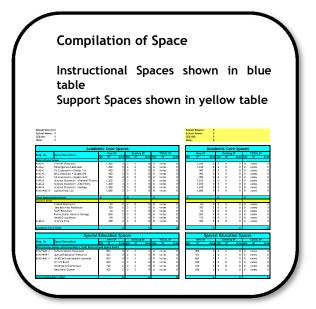
Introduction

During the development of the *Connecticut School Construction Standards and Guidelines*, extensive research was conducted into existing state and national instructional and support space size standards. It was determined that the size of the instructional spaces included in this Compilation of Space was the appropriate size to accommodate current and future student needs, project based delivery, children with disabilities, and multiple program delivery methods for twenty-five (25) students. Additionally, various administrative and building support spaces have been included for consideration when developing a building plan.

The Development of the Compilation of Space should begin with a thorough understanding of current and future student instructional needs. LEAs are encouraged to consider contracting with an Design Professional whose function will be to assist the district and its stakeholders in developing/reviewing its educational mission, goals, and vision and then communicating that vision to the design team. This process should include administration, staff, students and interested community members.

After the highest projected enrollment report is complete, the number of students projected for each grade level is entered into the Compilation of Space spreadsheet to determine the total gross square footage for that school facility. The number of required instructional spaces is developed which guides the LEA and Design Professional in the selection of spaces.

Instructional Spaces (shown in blue tables) refer to spaces in: Academic Core, Special Education, Visual Arts, Music, Performing Arts, Career Technical Education, and Physical Education. All other spaces are considered to be Support Spaces (shown in yellow tables). Square-foot allocations may be moved from Support areas to Instructional areas, but not vice versa. Square footage shown for Instructional spaces is represents the minimum size. However, a deviation in the size of instructional spaces of up to 10% plus or minus is allowed to accommodate variations in space layouts, including the addition of small group rooms or extended learning areas. Support space sizes may be changed, however, the total gross square footage shall not be exceeded.



Measurement and Area Calculations for Building Spaces

Classrooms and other instructional spaces are sized to be flexible and adaptable to curricula of the future. Support areas, circulation, and building services are appropriately sized to support a range of design solutions. The following spaces shall be measured as indicated below when evaluating design solutions for compliance with the Compilation of Space:

Corridors: Stairs, ramps, and elevators shall be included in the Compilation of Space as Corridor area.

Stairs: Stair area shall be calculated as one hundred percent (100%) on the ground floor and fifty-percent (50%) on elevated floors. Area shall be calculated based on the total area inside the stair enclosure walls.

Elevators: Elevators shall be calculated as one hundred percent (100%) on the ground floor and zero percent (0%) on elevated floors.

Overhangs: Overhangs located at building entrances and exits do not count as area. Interior balconies are generally counted as circulation space.

Total Net Square Footage of a Room: Calculated as the measurement of the interior area, excluding the wall thickness. Measurements are taken from the inside face of the walls.

Total Gross Square Footage of the School Building: For the purpose of the computation of space calculations occurring in this chapter, total gross square footage is measured to the exterior face of the exterior walls.

Mechanical Equipment Space: Includes "traditional" mechanical equipment rooms and an elevated "walkable" space for mechanical equipment and its servicing. "Vaults" associated with mechanical systems are counted as mechanical room square footage.

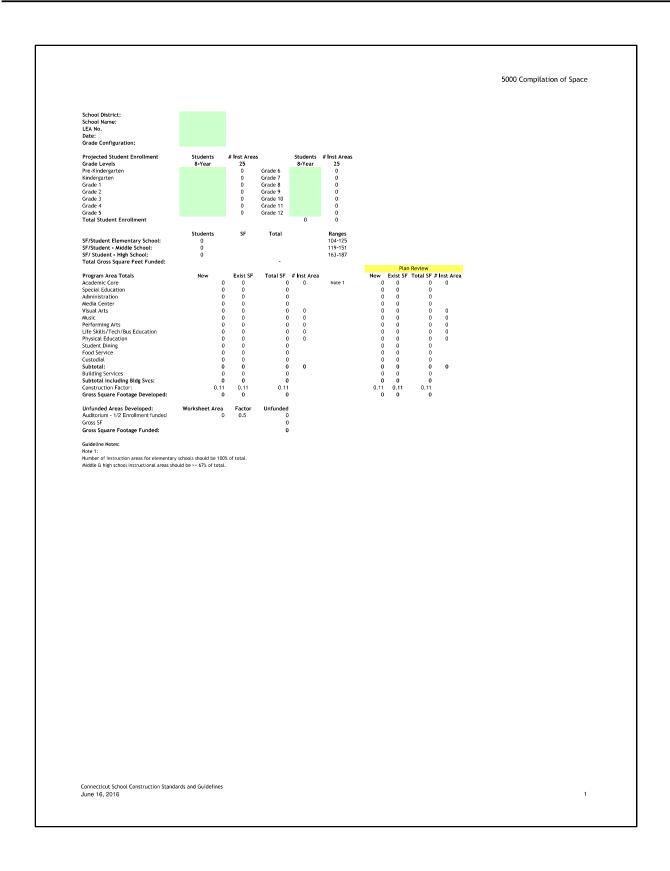
The Compilation of Space is an inter-active spread sheet designed for the selection of instructional and support spaces. The active spreadsheet can be found on the *Office of School Construction Grants & Review* website.

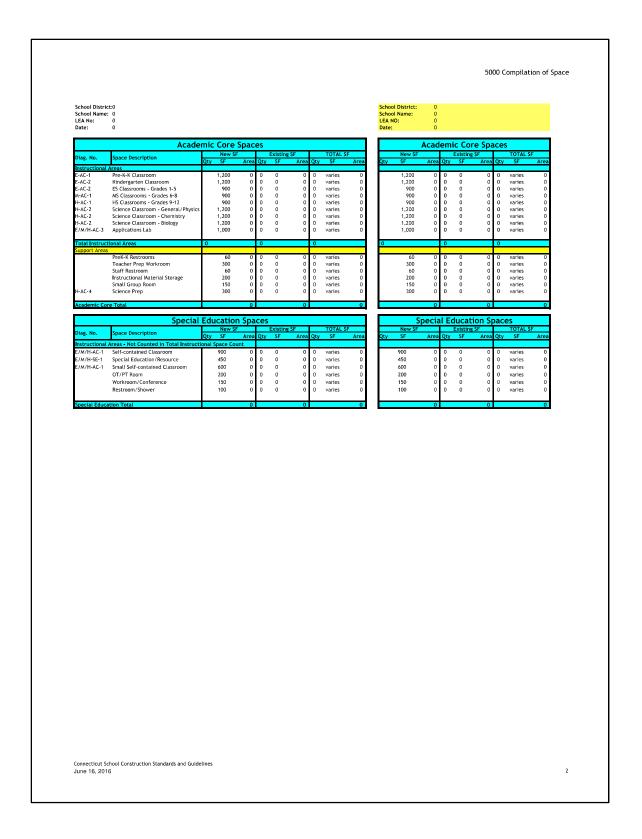
Office of School Construction Grants & Review

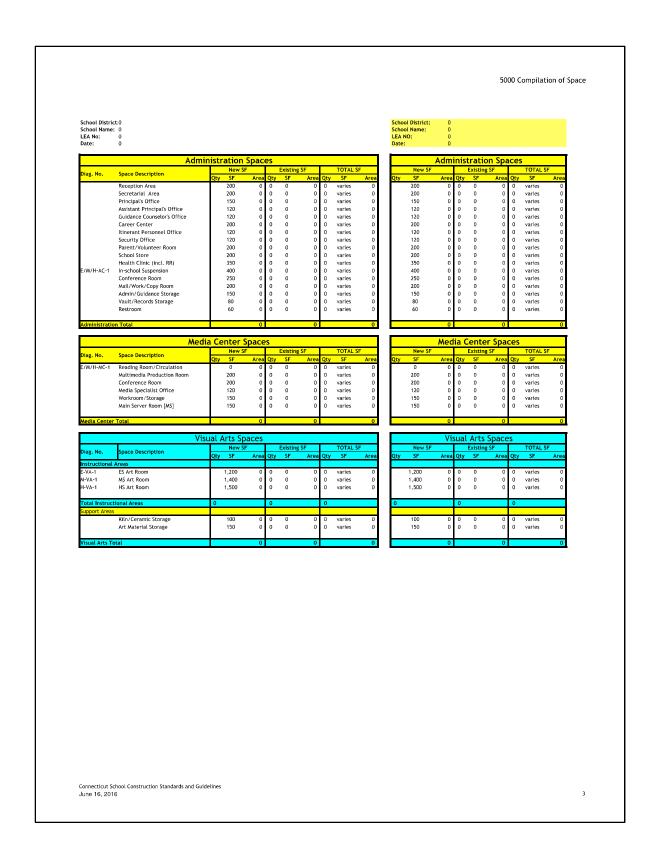
Phone: 860-713-6480 Fax: 860-713-7020

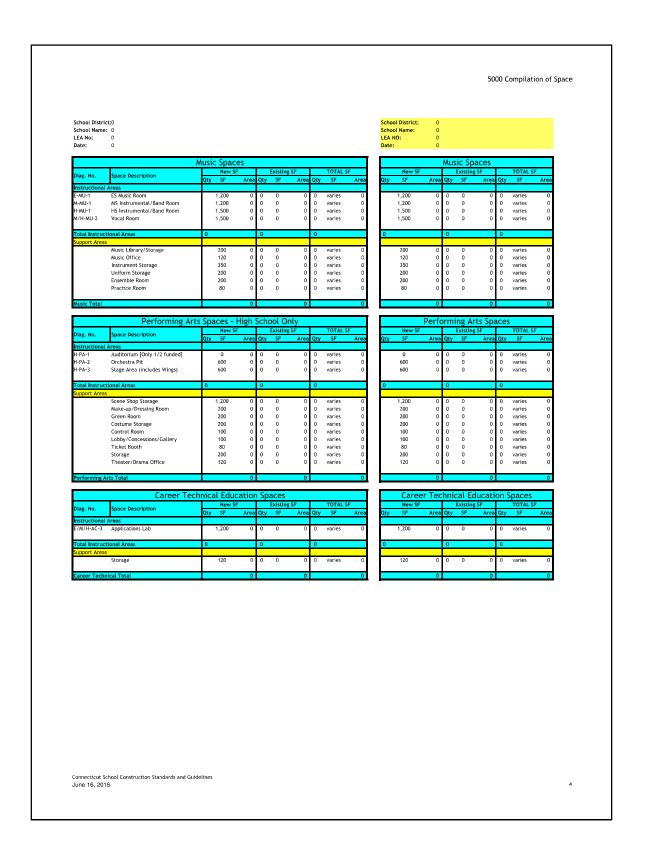
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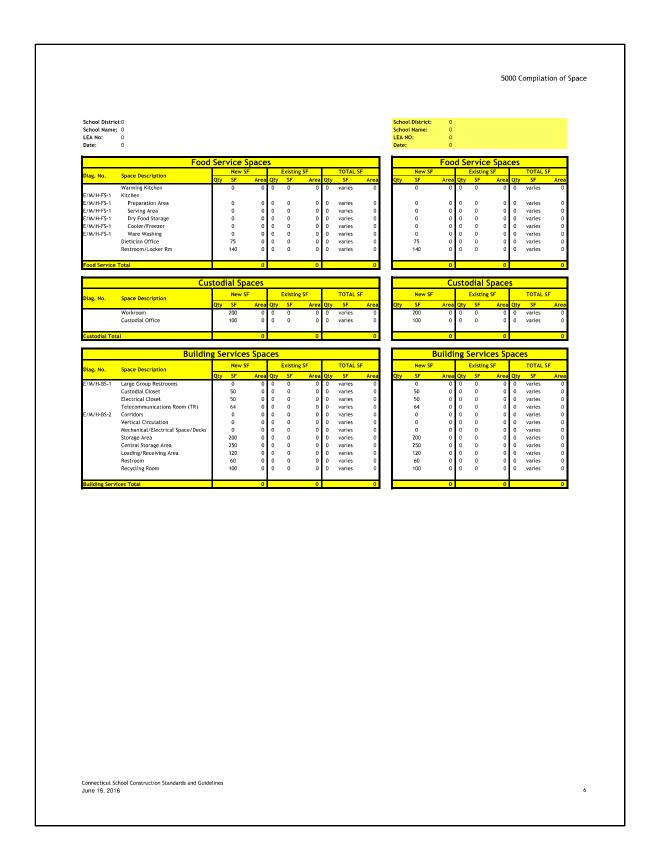








5000 Compilation of Space School District:0 School Name: 0 LEA No: 0 Date: 0 School Name: LEA NO: Areas
ES Gymnasium
MS Gymnasium
HS Gymnasium
Auxiliary Gymnasium
Training Room
Physical Health Classroom
Multi-use P.E. Room varies varies varies varies varies varies varies 2,500 5,000 10,000 7,000 300 900 1,500 2,500 5,000 10,000 7,000 300 900 1,500 varies varies varies varies varies varies varies E-PE-1 M-PE-1 H-PE-1 H-PE-2 Student Locker Room Student Restroom/Shower Physical Education Storage P.E./Athletic Office Staff Shower Athletic Director's Office Lobby Services varies 400 200 200 120 80 120 200 400 200 200 120 80 120 200 Student Dining Spaces Diag. No. Space Description Student Dining
Stage
Starf Dining
Stage
Starf Dining
Combined Dining/Performance
Scene Shop and Storage
Make-up/Dressing Room
Theatrical Control Room
Drama Storage
Table Storage
Family Restroom 900 600 450 100 100 200 200 80 varies 450 100 100 200 200 80 Connecticut School Construction Standards and Guidelines June 16, 2016



	Ni	Physical Education Spaces			
Diag. No.	Space Description	atatorium Spaces New SF Qty SF Area	New SF		
Instruction	Main Pool - 25 yds x 50 meters	1 12,304 12,304	0 0 0	ea Qty SF Area 0 1 varies 12,304	12,304 0 0 0 0 0 0 varies 0
	Deck - 10 ft. side + 15 ft. ends	1 6,422 6,422	0 0 0	0 1 varies 6,422	6,422 0 0 0 0 0 varies 0
	Fitness Room	1 2,500 2,500	0 0 0	0 1 varies 2,500	2,500 0 0 0 0 varies 0
	Training Room Classroom	1 300 300 1 900 900	0 0 0		300 0 0 0 0 0 varies 0 900 0 0 0 0 0 varies 0
	Multi-use Room		0 0 0		1,500 0 0 0 0 varies 0
Total Instru Support Are	ctional Areas	3	0	6	0 0
заррог с мге	Locker Rooms	2 400 800 2 200 400	0 0 0	0 2 varies 800	400 0 0 0 0 0 varies 0
	Restroom/Shower Storage	2 200 400	0 0 0	0 2 varies 400	200 0 0 0 0 0 varies 0 200 0 0 0 0 0 0 varies 0
	Office Staff Shower	1 120 120 1 80 80	0 0 0		120 0 0 0 0 0 varies 0 80 0 0 0 0 0 0 varies 0
	Concessions	1 120 120	0 0 0	0 1 varies 120	120 0 0 0 0 0 varies 0
	Lobby Services	1 200 200	0 0 0		200 0 0 0 0 varies 0
Natatorium		3 26,045		26,045	0 0 0 0
		ling Services Space	CES Existing SF	TOTAL SF	Building Services Spaces New SF Existing SF TOTAL SF
Diag. No.	Space Description	Qty SF Area	Qty SF Area	ea Qty SF Area	Qty SF Area Qty SF Area Qty SF Area
	Large Group Restrooms Custodial Closet	1 912 912 1 50 50	0 0 0		0 0 0 0 0 0 varies 0 50 0 0 0 0 0 varies 0
	Electrical Closet Telecommunications Room (TR)	1 50 50 1 64 64	0 0 0		50 0 0 0 0 0 varies 0 64 0 0 0 0 0 0 varies 0
	Corridors	1 5,209 5,209	0 0 0	0 1 varies 5,209	0 0 0 0 0 0 varies 0
	Vertical Circulation Mechanical/Electrical Space/Decks	0 0 1 1,797 1,797	0 0 0	0 1 varies 1,797	0 0 0 0 0 0 varies 0
	Pool Equipment	1 200 200	0 0 0		200 0 0 0 0 0 varies 0
Building Se	vices Sub-Total	8,282	0	0 8,282	0 0 0
Natatorium	Total	34,327		0 34,327	0 0

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